

	19	((etch\$3 same (polaryl low adj k low-k organic-ARC organic-ARL organic-ARF org-ARC org-ARL org-ARF OARC OARL OARF BARC BARL BARF MARC MARL MARF ARC ARL ARF organic near3 (layer film antireflecti\$3)) same ((hydrogen H2 "H.sub.2" with (N2 "N.sub.2" nitrogen NH3 "NH.sub.3" ammonia N2H4 "N.sub.2 H.sub.4" hydrazine))) (etch\$3 same (SiLK FLARE "SiLK.sup.tm" "FLARE.sup.tm" low adj dielectric BCB benzocyclobutane ((polymer polymeric) near3 (film layer))) same ((hydrogen H2 "H.sub.2" with (N2 "N.sub.2" nitrogen NH3 "NH.sub.3" ammonia N2H4 "N.sub.2 H.sub.4" hydrazine)))) and (mask\$3 near2 (aluminum copper Al Cu))	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/19 13:58
	522	etch\$3 same (SiLK FLARE "SiLK.sup.tm" "FLARE.sup.tm" low adj dielectric BCE benzocyclobutane polaryl low adj k low-k organic-ARC organic-ARL organic-ARF org-ARC org-ARL org-ARF OARC OARL OARF BARC BARL BARF MARC MARL MARF ARC ARL ARF (organic polymer polymeric) near3 (layer film antireflecti\$3)) and mask\$3 near2 (aluminum copper Al Cu)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/19 14:03
	344	etch\$3 with (SiLK FLARE "SiLK.sup.tm" "FLARE.sup.tm" low adj dielectric BCB benzocyclobutane polaryl low adj k low-k organic-ARC organic-ARL organic-ARF org-ARC org-ARL org-ARF OARC OARL OARF BARC BARL BARF MARC MARL MARF ARC ARL ARF (organic polymer polymeric) near3 (layer film antireflecti\$3)) and mask\$3 near2 (aluminum copper Al Cu)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/19 14:04
	89	etch\$3 near (SiLK FLARE "SiLK.sup.tm" "FLARE.sup.tm" low adj dielectric BCE benzocyclobutane polaryl low adj k low-k organic-ARC organic-ARL organic-ARF org-ARC org-ARL org-ARF OARC OARL OARF BARC BARL BARF MARC MARL MARF ARC ARL ARF (organic polymer polymeric) near3 (layer film antireflecti\$3)) and mask\$3 near2 (aluminum copper Al Cu)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/19 14:04
	17	etch\$3 near (SiLK FLARE "SiLK.sup.tm" "FLARE.sup.tm" low adj dielectric BCB benzocyclobutane polaryl low adj k low-k organic-ARC organic-ARL organic-ARF org-ARC org-ARL org-ARF OARC OARL OARF BARC BARL BARF MARC MARL MARF ARC ARL ARF (organic polymer polymeric) near3 (layer film antireflecti\$3)) and hard adj mask\$3 near2 (aluminum copper Al Cu)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/19 14:05
	6	etch\$3 near (SiLK FLARE "SiLK.sup.tm" "FLARE.sup.tm" low adj dielectric BCB benzocyclobutane polaryl low adj k low-k organic-ARC organic-ARL organic-ARF org-ARC org-ARL org-ARF OARC OARL OARF BARC BARL BARF MARC MARL MARF ARC ARL ARF (organic polymer polymeric) near3 (layer film antireflecti\$3)) and hard adj mask\$3 near (aluminum copper Al Cu)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/19 14:30
	1	(5567341).PN. 44 hard adj mask\$3 adj (aluminum copper Al Cu)	USPAT USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/19 14:16 2003/11/19 14:31

	126	(US-6448177-\$ or US-6440864-\$ or US-6437441-\$ or US-6436808-\$ or US-6417090-\$ or US-6399424-\$ or US-6387798-\$ or US-6383907-\$ or US-6376366-\$ or US-6350675-\$ or US-6323121-\$ or US-6335249-\$ or US-6331380-\$ or US-6319809-\$ or US-6309955-\$ or US-6281135-\$ or US-6271115-\$ or US-6268294-\$ or US-6271084-\$ or US-6080529-\$ or US-6265320-\$ or US-6242338-\$ or US-6235453-\$ or US-6207583-\$ or US-6207570-\$ or US-6204192-\$).did. or (US-6165891-\$ or US-6124212-\$ or US-6114250-\$ or US-6042929-\$ or US-6030901-\$ or US-6017817-\$ or US-6013574-\$ or US-5796111-\$ or US-5730922-\$ or US-6133142-\$ or US-6124177-\$ or US-5795679-\$ or US-5891527-\$ or US-5710067-\$ or US-5891528-\$ or US-4569895-\$ or US-4096048-\$ or US-3919519-\$ or US-3770427-\$ or US-6326282-\$ or US-6413877-\$ or US-6372636-\$ or US-6350390-\$ or US-5030319-\$ or US-4911102-\$ or US-4654116-\$ or US-6211061-\$).did. or (US-6352917-\$ or US-6379576-\$ or US-6327456-\$ or US-6365320-\$ or US-6429107-\$ or US-6380091-\$ or US-6207554-\$ or US-4343677-\$ or US-6325861-\$ or US-6277752-\$ or US-6037255-\$ or US-6156485-\$ or US-5567334-\$ or US-5358902-\$ or US-5346597-\$ or US-5266157-\$ or US-4544989-\$ or US-4528066-\$ or US-4539222-\$ or US-4474642-\$ or US-6274471-\$).did. or (US-20010046780-\$ or US-20010034137-\$ or US-20010030169-\$ or US-20010034106-\$ or US-20010027016-\$ or US-20010024769-\$ or US-20010005632-\$ or US-20020127843-\$ or US-20020127840-\$ or US-20020127842-\$ or US-20020119651-\$ or US-20020111036-\$ or US-20020111041-\$ or US-200201113271-\$ or US-20020110992-\$ or US-20020111017-\$ or US-20020102834-\$ or US-20020108929-\$ or US-20020090738-\$ or US-20020096681-\$ or US-20020086547-\$ or US-20020079054-\$ or US-20020063312-\$ or US-20020059899-\$ or US-20020061654-\$ or US-20020042193-\$).did. or (US-20020028584-\$ or US-20020033486-\$ or US-20020020053-\$ or US-20020025670-\$ or US-20020001939-\$ or US-20020013060-\$ or US-20010053614-\$ or US-20020001889-\$ or US-20010046781-\$ or US-20010049150-\$ or US-20010036740-\$ or US-20010017190-\$ or US-20020009873-\$ or US-20020111013-\$ or US-20020064941-\$ or US-20020011462-\$ or US-20020048019-\$ or US-20020001778-\$ or US-20020081854-\$ or US-20020001931-\$ or US-20010012687-\$ or US-20010054605-\$ or US-20020121500-\$).did. or (EP-1030353-\$).did. or (EP-1176634-\$ or EP-1030353-\$).did.	USPAT; US-PGPUB; EPO; DERWENT	2004/01/02 14:32
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-	123	((US-6448177-\$ or US-6440864-\$ or US-6437441-\$ or US-6436808-\$ or US-6417090-\$ or US-6399424-\$ or US-6387798-\$ or US-6383907-\$ or US-6376366-\$ or US-6350675-\$ or US-6323121-\$ or US-6335249-\$ or US-6313180-\$ or US-6319809-\$ or US-6309955-\$ or US-6281135-\$ or US-6271115-\$ or US-6268294-\$ or US-6271084-\$ or US-6080529-\$ or US-6265320-\$ or US-6242338-\$ or US-6235453-\$ or US-6207583-\$ or US-6207570-\$ or US-6204192-\$).did. or (US-6165891-\$ or US-6124212-\$ or US-6114250-\$ or US-6042929-\$ or US-6030901-\$ or US-6017817-\$ or US-6013574-\$ or US-5796111-\$ or US-5730922-\$ or US-6133142-\$ or US-6124177-\$ or US-5795679-\$ or US-5891527-\$ or US-5710067-\$ or US-5891528-\$ or US-4569895-\$ or US-4096048-\$ or US-3919519-\$ or US-3770427-\$ or US-6326282-\$ or US-6413877-\$ or US-6372636-\$ or US-6350390-\$ or US-5030319-\$ or US-4911102-\$ or US-4654116-\$ or US-6211061-\$).did. or (US-6352917-\$ or US-6379576-\$ or US-6327456-\$ or US-6365320-\$ or US-6429107-\$ or US-6380091-\$ or US-6207554-\$ or US-4343677-\$ or US-6325861-\$ or US-6277752-\$ or US-6037255-\$ or US-6156485-\$ or US-5567334-\$ or US-5358902-\$ or US-5346597-\$ or US-5266157-\$ or US-4544989-\$ or US-4528066-\$ or US-4539222-\$ or US-4474642-\$ or US-6274471-\$).did. or (US-20010046780-\$ or US-20010034137-\$ or US-20010030169-\$ or US-20010034106-\$ or US-20010027016-\$ or US-20010024769-\$ or US-20010005632-\$ or US-20020127843-\$ or US-20020127840-\$ or US-20020127842-\$ or US-20020119651-\$ or US-20020111036-\$ or US-20020111041-\$ or US-200201113271-\$ or US-20020110992-\$ or US-20020111017-\$ or US-20020102834-\$ or US-20020108929-\$ or US-20020090738-\$ or US-20020096681-\$ or US-20020086547-\$ or US-20020079054-\$ or US-20020063312-\$ or US-20020059899-\$ or US-20020061654-\$ or US-20020042193-\$).did. or (US-20020028584-\$ or US-20020033486-\$ or US-20020020053-\$ or US-20020025670-\$ or US-20020001939-\$ or US-20020013060-\$ or US-20020048019-\$ or US-20020001778-\$ or US-20020081854-\$ or US-20020001931-\$ or US-20010012687-\$ or US-20010054605-\$ or US-20020121500-\$).did. or (EP-1030353-\$).did. or (EP-1176634-\$ or EP-1030353-\$).did.) and (aluminum al copper cu)	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB	2004/01/02 14:33
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	4	((US-6448177-\$ or US-6440864-\$ or US-6437441-\$ or US-6436808-\$ or US-6417090-\$ or US-6399424-\$ or US-6387798-\$ or US-6383907-\$ or US-6376366-\$ or US-6350675-\$ or US-6323121-\$ or US-6335249-\$ or US-6331380-\$ or US-6319809-\$ or US-6309955-\$ or US-6281135-\$ or US-6271115-\$ or US-6268294-\$ or US-6271084-\$ or US-6080529-\$ or US-6265320-\$ or US-6242338-\$ or US-6235453-\$ or US-6207583-\$ or US-6207570-\$ or US-6204192-\$).did. or (US-6165891-\$ or US-6124212-\$ or US-6114250-\$ or US-6042929-\$ or US-6030901-\$ or US-6017817-\$ or US-6013574-\$ or US-5796111-\$ or US-5730922-\$ or US-6133142-\$ or US-6124177-\$ or US-5795679-\$ or US-5891527-\$ or US-5710067-\$ or US-5891528-\$ or US-4569895-\$ or US-4096048-\$ or US-3919519-\$ or US-3770427-\$ or US-6326282-\$ or US-6413877-\$ or US-6372636-\$ or US-6350390-\$ or US-5030319-\$ or US-4911102-\$ or US-4654116-\$ or US-6211061-\$).did. or (US-6352917-\$ or US-6379576-\$ or US-6327456-\$ or US-6365320-\$ or US-6429107-\$ or US-6380091-\$ or US-6207554-\$ or US-4343677-\$ or US-6325861-\$ or US-6277752-\$ or US-6037255-\$ or US-6156485-\$ or US-5567334-\$ or US-5358902-\$ or US-5346597-\$ or US-5266157-\$ or US-4544989-\$ or US-4528066-\$ or US-4539222-\$ or US-4474642-\$ or US-6274471-\$).did. or (US-20010046780-\$ or US-20010034137-\$ or US-20010030169-\$ or US-20010034106-\$ or US-20010027016-\$ or US-20010024769-\$ or US-20010005632-\$ or US-20020127843-\$ or US-20020127840-\$ or US-20020127842-\$ or US-20020119651-\$ or US-20020111036-\$ or US-20020111041-\$ or US-20020113271-\$ or US-20020110992-\$ or US-20020111017-\$ or US-20020102834-\$ or US-20020108929-\$ or US-20020090738-\$ or US-20020096681-\$ or US-20020086547-\$ or US-20020079054-\$ or US-20020063312-\$ or US-20020059899-\$ or US-20020061654-\$ or US-20020042193-\$).did. or (US-20020028584-\$ or US-20020033486-\$ or US-20020020053-\$ or US-20020025670-\$ or US-20020001939-\$ or US-20020013060-\$ or US-20010053614-\$ or US-20020001889-\$ or US-20010046781-\$ or US-20010049150-\$ or US-20010036740-\$ or US-20010017190-\$ or US-20020009873-\$ or US-20020011013-\$ or US-20020064941-\$ or US-20020011462-\$ or US-20020048019-\$ or US-20020001778-\$ or US-20020081854-\$ or US-20020001931-\$ or US-20010012687-\$ or US-20010054605-\$ or US-20020121500-\$).did. or (EP-1030353-\$).did. or (EP-1176634-\$ or EP-1030353-\$).did.) and (aluminum al copper cu) and mask\$3 near (aluminum al copper cu) 0 20010030169.URPN.	USPAT	2004/01/02 14:39
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11	((US-6448177-\$ or US-6440864-\$ or US-6437441-\$ or US-6436808-\$ or US-6417090-\$ or US-6399424-\$ or US-6387798-\$ or US-6383907-\$ or US-6376366-\$ or US-6350675-\$ or US-6323121-\$ or US-6335249-\$ or US-6331380-\$ or US-6319809-\$ or US-6309955-\$ or US-6281135-\$ or US-6271115-\$ or US-6268294-\$ or US-6271084-\$ or US-6080529-\$ or US-6265320-\$ or US-6242338-\$ or US-6235453-\$ or US-6207583-\$ or US-6207570-\$ or US-6204192-\$).did. or (US-6165891-\$ or US-6124212-\$ or US-6114250-\$ or US-6042929-\$ or US-6030901-\$ or US-6017817-\$ or US-6013574-\$ or US-5796111-\$ or US-5730922-\$ or US-6133142-\$ or US-6124177-\$ or US-5795679-\$ or US-5891528-\$ or US-4569895-\$ or US-4096048-\$ or US-3919519-\$ or US-3770427-\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/02 14:48
Search History	1/1/US-5795679-\$ or US-5891528-\$ or US-5710067-\$ C:\APPS\EAST\Workspaces\09_5891528\09_5891528\4569895-\$ or US-4096048-\$ or US-3919519-\$ or US-3770427-\$		

18	((US-6448177-\$ or US-6440864-\$ or US-6437441-\$ or US-6436808-\$ or US-6417090-\$ or US-6399424-\$ or US-6387798-\$ or US-6383907-\$ or US-6376366-\$ or US-6350675-\$ or US-6323121-\$ or US-6335249-\$ or US-6331380-\$ or US-6319809-\$ or US-6309955-\$ or US-6281135-\$ or US-6271115-\$ or US-6268294-\$ or US-6271084-\$ or US-6080529-\$ or US-6265320-\$ or US-6242338-\$ or US-6235453-\$ or US-6207583-\$ or US-6207570-\$ or US-6204192-\$).did. or ((US-6165891-\$ or US-6124212-\$ or US-6114250-\$ or US-6042929-\$ or US-6030901-\$ or US-6017817-\$ or US-6013574-\$ or US-5796111-\$ or US-5730922-\$ or US-6133142-\$ or US-6124177-\$ or US-5891527-\$ or US-5891528-\$ or US-4569895-\$ or US-4096048-\$ or US-3919519-\$ or US-3770427-\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/02 14:48
Search History	1/19/04 11:18:16 AM Page 28 C:\APPSS\EAST\Workspace\VPA_5891528-\$ or US-5891527-\$ or US-5710067-\$		

				USPAT; US_PGPUB; EPO; JPO; DERVENT; IBM_TDB	2004/01/02 15:49
7	(((US-6448177-\$ or US-6440864-\$ or US-6437441-\$ or US-6436808-\$ or US-6417090-\$ or US-6399424-\$ or US-6387798-\$ or US-6383907-\$ or US-6376366-\$ or US-6350675-\$ or US-6323121-\$ or US-6335249-\$ or US-6331380-\$ or US-6319809-\$ or US-6309955-\$ or US-6281135-\$ or US-6271115-\$ or US-6268294-\$ or US-6271084-\$ or US-6080529-\$ or US-6265320-\$ or US-6242338-\$ or US-6235453-\$ or US-6207583-\$ or US-6207570-\$ or US-6204192-\$).did. or ((US-6165891-\$ or US-6124212-\$ or US-6114250-\$ or US-6042929-\$ or US-6030901-\$ or US-6017817-\$ or US-6013574-\$ or US-5796111-\$ or US-5730922-\$ or US-6133142-\$ or US-6124177-\$ or US-5795679-\$ or US-5891527-\$ or US-5710067-\$ or US-5891528-\$ or US-4569855-\$ or US-4096048-\$ or US-3919519-\$ or US-3770427-\$ or US-6326282-\$ or US-6413877-\$ or US-6372636-\$ or US-6350390-\$ or US-5030319-\$ or US-491102-\$ or US-4654116-\$ or US-6211061-\$).did. or ((US-6352917-\$ or US-6379576-\$ or US-6327456-\$ or US-6365320-\$ or US-6429107-\$ or US-6380091-\$ or US-6207554-\$ or US-4343677-\$ or US-6325861-\$ or US-6277752-\$ or US-6037255-\$ or US-6156485-\$ or US-5567334-\$ or US-5358902-\$ or US-5346597-\$ or US-5266157-\$ or US-4544989-\$ or US-4528066-\$ or US-4539222-\$ or US-4474642-\$ or US-6274471-\$).did. or ((US-20010046780-\$ or US-20010034137-\$ or US-20010030169-\$ or US-20010034106-\$ or US-20010027016-\$ or US-20010024769-\$ or US-20010005632-\$ or US-20020127843-\$ or US-20020127840-\$ or US-20020127842-\$ or US-20020119651-\$ or US-20020111036-\$ or US-20020111041-\$ or US-20020113271-\$ or US-20020110992-\$ or US-20020111017-\$ or US-20020102834-\$ or US-20020108929-\$ or US-20020090738-\$ or US-20020096681-\$ or US-20020086547-\$ or US-20020079054-\$ or US-20020053312-\$ or US-20020059899-\$ or US-20020061654-\$ or US-20020042193-\$).did. or ((US-20020028584-\$ or US-20020033486-\$ or US-20020020053-\$ or US-20020025670-\$ or US-20020001939-\$ or US-20020013060-\$ or US-20010053614-\$ or US-20020001889-\$ or US-20010046781-\$ or US-20010049150-\$ or US-20010036740-\$ or US-20010017190-\$ or US-20020009873-\$ or US-20020111013-\$ or US-20020064941-\$ or US-20020011462-\$ or US-20020048019-\$ or US-20020001778-\$ or US-20020081854-\$ or US-20020001931-\$ or US-20010012687-\$ or US-20010054605-\$ or US-20020121500-\$).did. or (EP-1030353-\$).did. or (EP-1176634-\$ or EP-1030353-\$).did.) and (aluminum al copper cu)) and mask\$3 near2 (aluminum al copper cu) not (((US-6448177-\$ or US-6440864-\$ or US-6437441-\$ or US-6436808-\$ or US-6417090-\$ or US-6399424-\$ or US-6387798-\$ or US-6383907-\$ or US-6376366-\$ or US-6350675-\$ or US-6323121-\$ or US-6335249-\$ or US-6331380-\$ or US-6319809-\$ or US-6309955-\$ or US-6281135-\$ or US-6271115-\$ or US-6268294-\$ or US-6271084-\$ or US-6080529-\$ or US-6265320-\$ or US-6242338-\$ or US-6235453-\$ or US-6207583-\$ or US-6207570-\$ or US-6204192-\$).did. or ((US-6165891-\$ or US-6124212-\$ or US-6114250-\$ or US-6042929-\$ or US-6030901-\$ or US-6017817-\$ or US-6013574-\$ or US-5796111-\$ or US-5730922-\$ or US-6133142-\$ or US-6124177-\$ or US-5795679-\$ or US-5891527-\$ or US-5710067-\$ or US-4096048-\$ or US-3919519-\$ or US-3770427-\$				

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	114	etch\$3 near (organic low adj k "low-k" polymer\$3) with ((metal al aluminum cu copper hard) near mask\$3)	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/02 15:52
	99	etch\$3 adj (organic low adj k "low-k" polymer\$3) with ((metal al aluminum cu copper hard) adj mask\$3)	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/05 11:39
	10	etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3)	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/05 13:00
	9	etch\$3 adj (organic low adj k "low-k" polymer\$3) near2 ((metal al aluminum cu copper hard) adj mask\$3) not ((etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3))	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/05 11:41
	12	etch\$3 adj (organic low adj k "low-k" polymer\$3) near3 ((metal al aluminum cu copper hard) adj mask\$3) not ((etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3)) (etch\$3 adj (organic low adj k "low-k" polymer\$3) near2 ((metal al aluminum cu copper hard) adj mask\$3) not (etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3)))	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/02 16:13
	14	etch\$3 adj (organic low adj k "low-k" polymer\$3) near4 ((metal al aluminum cu copper hard) adj mask\$3) not ((etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3)) (etch\$3 adj (organic low adj k "low-k" polymer\$3) near2 ((metal al aluminum cu copper hard) adj mask\$3) not (etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3)) (etch\$3 adj (organic low adj k "low-k" polymer\$3) near3 ((metal al aluminum cu copper hard) adj mask\$3) not ((etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3)) (etch\$3 adj (organic low adj k "low-k" polymer\$3) near2 ((metal al aluminum cu copper hard) adj mask\$3) not (etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3))))))	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/02 16:29

	9	etch\$3 adj (organic low adj k "low-k" polymer\$3) near5 ((metal al aluminum cu copper hard) adj mask\$3) not ((etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3)) (etch\$3 adj (organic low adj k "low-k" polymer\$3) near2 ((metal al aluminum cu copper hard) adj mask\$3) not (etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3)) (etch\$3 adj (organic low adj k "low-k" polymer\$3) near3 ((metal al aluminum cu copper hard) adj mask\$3) not ((etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3)) (etch\$3 adj (organic low adj k "low-k" polymer\$3) near4 ((metal al aluminum cu copper hard) adj mask\$3) not ((etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3)) (etch\$3 adj (organic low adj k "low-k" polymer\$3) near2 ((metal al aluminum cu copper hard) adj mask\$3) not (etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3)) (etch\$3 adj (organic low adj k "low-k" polymer\$3) near3 ((metal al aluminum cu copper hard) adj mask\$3) not ((etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3)) (etch\$3 adj (organic low adj k "low-k" polymer\$3) near2 ((metal al aluminum cu copper hard) adj mask\$3) not (etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3)) (etch\$3 adj (organic low adj k "low-k" polymer\$3) near4 ((metal al aluminum cu copper hard) adj mask\$3) not ((etch\$3 adj (organic low adj k "low-k" polymer\$3) near ((metal al aluminum cu copper hard) adj mask\$3))))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/05 12:59
-	2	((al aluminum cu copper) adj hard adj mask) and (low adj (dielectric k) "low-k")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/05 12:09
-	2	("6620727").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/05 12:10
-	19	("4396458" "5562801" "6074946" "6083822" "6100184" "6169029" "6303459" "6337269" "6350700" "6383913" "6440853" "6455417" "6465340" "6475905" "6475929" "6486059" "6489233" "6492270" "6503830" "2001/0029105").PN.	USPAT	2004/01/05 12:11
-	0	6620727.URPN.	USPAT	2004/01/05 12:12
-	23	(al aluminum cu copper) adj hard adj mask	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/05 12:56
-	10	(US-6541360-\$ or US-6563221-\$ or US-6583067-\$).did. or (US-20010030169-\$ or US-20030008518-\$ or US-20030013311-\$ or US-20030155075-\$ or US-20020155639-\$).did. or (TW-411599-\$ or US-20030003756-\$).did.	USPAT; US-PGPUB; DERWENT	2004/01/05 12:58

	9	(US-6506616-\$ or US-6245489-\$ or US-6495466-\$ or US-6627540-\$).did. or (US-20030109132-\$ or US-20030082906-\$ or US-20010034132-\$ or US-20010026956-\$).did. or (US-20020155639-\$).did.	USPAT; US-PGPUB; DERWENT	2004/01/05 12:58
	12	(US-6514857-\$ or US-6027995-\$ or US-6123985-\$ or US-5886410-\$ or US-6204168-\$ or US-6376366-\$ or US-6465343-\$ or US-6475904-\$).did. or (US-20020173143-\$ or US-20030062627-\$ or US-20010012689-\$).did. or (JP-2003023069-\$).did.	USPAT; US-PGPUB; JPO	2004/01/05 12:58
	14	(US-6380091-\$ or US-6291887-\$ or US-6235628-\$ or US-6103552-\$ or US-6358838-\$ or US-6524973-\$ or US-6387819-\$).did. or (US-20030119307-\$ or US-20020132494-\$ or US-20030157794-\$ or US-20030176056-\$ or US-20020105085-\$ or US-2001009295-\$).did. or (KR-2001059540-\$).did.	USPAT; US-PGPUB; DERWENT	2004/01/05 12:59
	9	(US-6455431-\$ or US-6653734-\$ or US-6127089-\$ or US-6383931-\$).did. or (US-20020022281-\$ or US-20030040174-\$ or US-20030045101-\$ or US-20030052086-\$).did. or (JP-2001358218-\$).did.	USPAT; US-PGPUB; JPO	2004/01/05 12:59
	54	((US-6541360-\$ or US-6563221-\$ or US-6583067-\$).did. or (US-20010030169-\$ or US-20030008518-\$ or US-20030013311-\$ or US-20030155075-\$ or US-20020155639-\$).did. or (TW-411599-\$ or US-20030003756-\$).did.) ((US-6506616-\$ or US-6245489-\$ or US-6495466-\$ or US-6627540-\$).did. or (US-20030109132-\$ or US-20030082906-\$ or US-20010034132-\$ or US-20010026956-\$).did. or (US-20020155639-\$).did.) ((US-6514857-\$ or US-6027995-\$ or US-6123985-\$ or US-5886410-\$ or US-6204168-\$ or US-6376366-\$ or US-6465343-\$ or US-6475904-\$).did. or (US-20020173143-\$ or US-20030062627-\$ or US-20010012689-\$).did. or (JP-2003023069-\$).did.) ((US-6380091-\$ or US-6291887-\$ or US-6235628-\$ or US-6103552-\$ or US-6358838-\$ or US-6524973-\$ or US-6387819-\$).did. or (US-20030119307-\$ or US-20020132494-\$ or US-20030157794-\$ or US-20030176056-\$ or US-20020105085-\$ or US-2001009295-\$).did. or (KR-2001059540-\$).did.) ((US-6455431-\$ or US-6653734-\$ or US-6127089-\$ or US-6383931-\$).did. or (US-20020022281-\$ or US-20030040174-\$ or US-20030045101-\$ or US-20030052086-\$).did. or (JP-2001358218-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/05 12:59

9	etch\$3 adj (organic low adj k "low-k" polymer\$3) near6 ((metal al aluminum cu copper hard) adj mask\$3) not (((US-6541360-\$ or US-6563221-\$ or US-6583067-\$).did. or (US-20010030169-\$ or US-20030008518-\$ or US-20030013311-\$ or US-20030155075-\$ or US-20020155639-\$).did. or (TW-411599-\$ or US-20030003756-\$).did.) ((US-6508616-\$ or US-6245489-\$ or US-6495466-\$ or US-6627540-\$).did. or (US-20030109132-\$ or US-20030082906-\$ or US-20010034132-\$ or US-20010026956-\$).did. or (US-20020155639-\$).did.) ((US-6514857-\$ or US-6027995-\$ or US-6123985-\$ or US-5886410-\$ or US-6204168-\$ or US-6376366-\$ or US-6465343-\$ or US-6475904-\$).did. or (US-20020173143-\$ or US-20030062627-\$ or US-20010012689-\$).did. or (JP-2003023069-\$).did.) ((US-6380091-\$ or US-6291887-\$ or US-6235628-\$ or US-6103552-\$ or US-6358838-\$ or US-6524973-\$ or US-6387819-\$).did. or (US-20030119307-\$ or US-20020132494-\$ or US-20030157794-\$ or US-20030176056-\$ or US-20020105085-\$ or US-20010009295-\$).did. or (KR-2001059540-\$).did.) ((US-6455431-\$ or US-6653734-\$ or US-6127089-\$ or US-6383931-\$).did. or (US-20020022281-\$ or US-20030040174-\$ or US-20030045101-\$ or US-20030052086-\$).did. or (JP-2001358218-\$).did.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/05 14:05	

8	etch\$3 adj (organic low adj k "low-k" polymer\$3) near7 ((metal al aluminum cu copper hard) adj mask\$3) not (((US-6541360-\$ or US-6563221-\$ or US-6583067-\$).did. or (US-20010030169-\$ or US-20030008518-\$ or US-20030013311-\$ or US-20030155075-\$ or US-20020155639-\$).did. or (TW-411599-\$ or US-20030003756-\$).did.) ((US-6506616-\$ or US-6245489-\$ or US-6495466-\$ or US-6627540-\$).did. or (US-20030109132-\$ or US-20030082906-\$ or US-20010034132-\$ or US-20010026956-\$).did. or (US-20020155639-\$).did.) ((US-6514857-\$ or US-6027995-\$ or US-6123985-\$ or US-5886410-\$ or US-6204168-\$ or US-6376366-\$ or US-6465343-\$ or US-6475904-\$).did. or (US-20020173143-\$ or US-20030062627-\$ or US-20010012689-\$).did. or (JP-2003023069-\$).did.) ((US-6380091-\$ or US-6291887-\$ or US-6235628-\$ or US-6103552-\$ or US-6358838-\$ or US-6524973-\$ or US-6387819-\$).did. or (US-20030119307-\$ or US-20020132494-\$ or US-20030157794-\$ or US-20030176056-\$ or US-20020105085-\$ or US-20010009295-\$).did. or (KR-2001059540-\$).did.) ((US-6455431-\$ or US-6653734-\$ or US-6127089-\$ or US-6383931-\$).did. or (US-20020022281-\$ or US-20030040174-\$ or US-20030045101-\$ or US-20030052086-\$).did. or (JP-2001358218-\$).did.)) (etch\$3 adj (organic low adj k "low-k" polymer\$3) near6 ((metal al aluminum cu copper hard) adj mask\$3) not (((US-6541360-\$ or US-6563221-\$ or US-6583067-\$).did. or (US-20010030169-\$ or US-20030008518-\$ or US-20030013311-\$ or US-20030155075-\$ or US-20020155639-\$).did. or (TW-411599-\$ or US-20030003756-\$).did.) ((US-6506616-\$ or US-6245489-\$ or US-6495466-\$ or US-6627540-\$).did. or (US-20030109132-\$ or US-20030082906-\$ or US-20010034132-\$ or US-20010026956-\$).did. or (US-20020155639-\$).did.) ((US-6514857-\$ or US-6027995-\$ or US-6123985-\$ or US-5886410-\$ or US-6204168-\$ or US-6376366-\$ or US-6465343-\$ or US-6475904-\$).did. or (US-20020173143-\$ or US-20030062627-\$ or US-20010012689-\$).did. or (JP-2003023069-\$).did.) ((US-6380091-\$ or US-6291887-\$ or US-6235628-\$ or US-6103552-\$ or US-6358838-\$ or US-6524973-\$ or US-6387819-\$).did. or (US-20030119307-\$ or US-20020132494-\$ or US-20030157794-\$ or US-20030176056-\$ or US-20020105085-\$ or US-20010009295-\$).did. or (KR-2001059540-\$).did.) ((US-6455431-\$ or US-6653734-\$ or US-6127089-\$ or US-6383931-\$).did. or (US-20020022281-\$ or US-20030040174-\$ or US-20030045101-\$ or US-20030052086-\$).did. or (JP-2001358218-\$).did.)))	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB	2004/01/05 14:15	

-		99 etch\$3 adj (organic low adj k "low-k" polymer\$3) with ((metal al aluminum cu copper hard) adj mask\$3)	USPAT; US - PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/01/05 14:24
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13 (etch\$3 adj (organic low adj k "low-k"
polymer\$3) with ((metal al aluminum cu
copper hard) adj mask\$3)) not
(((US-6541360-\$ or US-6563221-\$ or
US-6583067-\$).did. or (US-20010030169-\$ or
US-20030008518-\$ or US-20030013311-\$ or
US-20010034132-\$ or US-20010026956-\$).did.
or (TW-411599-\$ or US-2003003756-\$).did.)
((US-6506616-\$ or US-6245489-\$ or
US-6495466-\$ or US-6627540-\$).did. or
(US-20030109132-\$ or US-20030082906-\$ or
US-20010034132-\$ or US-20010026956-\$).did.
or (US-20020155639-\$).did.) ((US-6514857-\$
or US-6027995-\$ or US-6123985-\$ or
US-5886410-\$ or US-6204168-\$ or US-6376366-\$
or US-6465343-\$ or US-6475904-\$).did. or
(US-20020173143-\$ or US-20030062627-\$ or
US-20010012689-\$).did. or
(JP-2003023069-\$).did.) ((US-6380091-\$ or
US-6291887-\$ or US-6235628-\$ or US-6103552-\$
or US-6358838-\$ or US-6524973-\$ or
US-6387819-\$).did. or (US-20030119307-\$ or
US-20020132494-\$ or US-20030157794-\$ or
US-20030176056-\$ or US-20020105085-\$ or
US-20010009295-\$).did. or
(KR-2001059540-\$).did.) ((US-6455431-\$ or
US-6653734-\$ or US-6127089-\$ or
US-6383931-\$).did. or (US-20020022281-\$ or
US-20030040174-\$ or US-20030045101-\$ or
US-20030052086-\$).did. or
(JP-2001358218-\$).did.)) (etch\$3 adj
(organic low adj k "low-k" polymer\$3) near6
((metal al aluminum cu copper hard) adj
mask\$3) not (((US-6541360-\$ or US-6563221-\$
or US-6583067-\$).did. or (US-20010030169-\$
or US-20030008518-\$ or US-20030013311-\$ or
US-20030155075-\$ or US-20020155639-\$).did.
or (TW-411599-\$ or US-2003003756-\$).did.)
((US-6506616-\$ or US-6245489-\$ or
US-6495466-\$ or US-6627540-\$).did. or
(US-20030109132-\$ or US-20030082906-\$ or
US-20010034132-\$ or US-20010026956-\$).did.
or (US-20020155639-\$).did.) ((US-6514857-\$
or US-6027995-\$ or US-6123985-\$ or
US-5886410-\$ or US-6204168-\$ or US-6376366-\$
or US-6465343-\$ or US-6475904-\$).did. or
(US-20020173143-\$ or US-20030062627-\$ or
US-20010012689-\$).did. or
(JP-2003023069-\$).did.) ((US-6380091-\$ or
US-6291887-\$ or US-6235628-\$ or US-6103552-\$
or US-6358838-\$ or US-6524973-\$ or
US-6387819-\$).did. or (US-20030119307-\$ or
US-20020132494-\$ or US-20030157794-\$ or
US-20030176056-\$ or US-20020105085-\$ or
US-20010009295-\$).did. or
(KR-2001059540-\$).did.) ((US-6455431-\$ or
US-6653734-\$ or US-6127089-\$ or
US-6383931-\$).did. or (US-20020022281-\$ or
US-20030040174-\$ or US-20030045101-\$ or
US-20030052086-\$).did. or
(JP-2001358218-\$).did.)) (etch\$3 adj
(organic low adj k "low-k" polymer\$3) near7
((metal al aluminum cu copper hard) adj
mask\$3) not (((US-6541360-\$ or US-6563221-\$
or US-6583067-\$).did. or (US-20010030169-\$
or US-20030008518-\$ or US-20030013311-\$ or
US-20030155075-\$ or US-20020155639-\$).did.
or (TW-411599-\$ or US-2003003756-\$).did.)
((US-6506616-\$ or US-6245489-\$ or
US-6495466-\$ or US-6627540-\$).did. or
(US-20030109132-\$ or US-20030082906-\$ or
US-20010034132-\$ or US-20010026956-\$).did.
or (US-6465343-\$ or US-6475904-\$).did. or

L Number	Hits	Search Text	DB	Time stamp
1	11	(aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/19 10:06
2	81	(aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) with hard adj mask\$3 not ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/19 10:07
3	5	(aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near2 hard adj mask\$3 not ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/19 10:09
4	3	(aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near3 hard adj mask\$3 not ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3) ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/19 10:11
5	4	(aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near4 hard adj mask\$3 not ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3) ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near2 hard adj mask\$3 not ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3)) ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near3 hard adj mask\$3 not ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3) ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near2 hard adj mask\$3 not ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/19 10:14

6	6	<p>(aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near5 hard adj mask\$3 not (((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3) ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near2 hard adj mask\$3 not ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3)) ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near3 hard adj mask\$3 not (((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3) ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near2 hard adj mask\$3 not ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3))) ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near4 hard adj mask\$3 not (((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3) ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near3 hard adj mask\$3 not (((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3) ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near2 hard adj mask\$3 not ((aluminum adj (oxide nitride) Al2O3 AlN "Al.sub.2 O.sub.3" alumina) near hard adj mask\$3)))))</p>	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/19 10:20
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